

National Income or Expenditure

TABLE B-1. Percent changes in real gross domestic product, 1969-2019
 [Percent change, fourth quarter over fourth quarter; quarterly changes at seasonally adjusted annual rates]

Year or quarter	Personal consumption expenditures			Gross private domestic investment							Change in private inventories	
	Gross domestic product	Total	Goods	Services	Total	Fixed investment						Residential
						Total	Nonresidential			Residential		
							Total	Structures	Equipment			
1969	2.0	3.1	2.0	4.2	2.2	2.5	5.5	6.4	5.2	4.5	-5.4	
1970	-2	1.7	.0	3.4	-6.4	-9	-4.4	-2.6	-5.8	-3.4	9.4	
1971	4.4	5.4	6.6	4.3	13.1	10.5	4.7	-1.1	8.5	4.8	25.2	
1972	6.9	7.3	8.5	6.2	15.0	12.0	11.5	5.1	17.0	6.2	12.9	
1973	4.0	1.8	.4	3.2	10.2	3.5	10.6	7.9	13.5	5.1	-10.5	
1974	-1.9	-1.6	-5.6	2.4	-10.4	-9.9	-3.9	-6.4	-3.7	1.6	-24.6	
1975	2.6	5.1	6.1	4.1	-9.8	-2.6	-5.9	-8.1	-6.7	2.8	7.8	
1976	4.3	5.4	6.4	4.5	15.2	12.1	7.8	3.8	9.0	11.8	23.8	
1977	5.0	4.2	4.9	3.7	14.9	12.1	11.9	5.7	17.2	4.8	12.6	
1978	6.7	4.0	3.5	4.4	14.3	13.1	16.0	21.7	14.5	10.3	6.8	
1979	1.3	1.7	.3	2.9	-3.4	1.1	5.5	8.8	2.7	9.4	-9.1	
1980	.0	.0	-2.5	2.2	-7.2	-4.8	-9	2.7	-4.4	4.7	-15.3	
1981	1.3	.1	-2	.3	6.7	1.5	9.0	14.1	4.6	12.1	-22.0	
1982	-1.4	3.5	3.6	3.4	-17.3	-8.0	-9.5	-13.5	-10.0	3.4	-1.7	
1983	7.9	6.6	8.3	5.3	31.3	18.3	10.4	-3.9	19.9	13.0	49.7	
1984	5.6	4.3	5.3	3.6	14.2	11.3	13.9	15.7	13.4	12.6	3.7	
1985	4.2	4.8	4.6	5.0	1.9	3.7	3.2	3.3	1.7	7.7	5.2	
1986	2.9	4.4	6.5	3.0	-4.1	.6	-3.2	-14.3	.8	5.4	11.8	
1987	4.5	2.8	.4	4.6	9.8	1.5	2.2	4.9	.1	4.2	-5	
1988	3.8	4.6	4.5	4.7	-5	3.7	5.1	-3.3	8.2	9.8	-1	
1989	2.7	2.4	1.8	2.7	.7	1.5	4.5	3.3	2.5	11.3	-6.5	
1990	.6	.8	-1.6	2.3	-6.5	-4.2	-9	-3.2	-2.7	6.2	-13.6	
1991	1.2	.9	-8	2.0	2.1	-1.9	-3.4	-12.8	-3.2	7.2	2.9	
1992	4.4	4.9	5.3	4.7	7.7	8.7	7.1	1.0	11.3	4.8	13.6	
1993	2.6	3.3	4.4	2.7	7.6	8.4	7.6	.2	13.1	2.9	10.6	
1994	4.1	3.8	5.5	2.8	11.5	6.6	8.5	1.6	12.5	5.8	1.6	
1995	2.2	2.8	2.3	3.0	.8	5.5	7.4	4.7	8.1	8.3	.1	
1996	4.4	3.4	4.8	2.7	11.2	9.9	11.3	10.9	11.1	12.1	5.6	
1997	4.5	4.5	5.3	4.0	11.4	8.3	9.7	4.4	10.7	12.4	4.0	
1998	4.9	5.6	8.1	4.3	9.7	11.5	11.6	4.3	14.8	11.5	11.3	
1999	4.8	5.1	6.6	4.3	8.5	7.2	8.4	-1	9.5	13.3	3.5	
2000	3.0	4.4	4.0	4.7	4.3	5.9	8.5	10.8	8.5	6.6	-1.5	
2001	.2	2.5	4.9	1.2	-11.1	-4.7	-6.8	-10.6	-7.7	-2.1	2.0	
2002	2.1	2.1	1.7	2.4	4.4	-1.5	-5.1	-15.7	-3.7	.9	8.1	
2003	4.3	3.8	6.6	2.3	8.7	8.6	6.8	1.9	9.6	5.8	12.7	
2004	3.3	3.8	4.3	3.5	8.0	6.5	6.5	.3	9.8	5.7	6.6	
2005	3.1	3.0	3.0	3.0	6.1	5.8	6.1	1.5	8.7	5.1	5.2	
2006	2.6	3.2	4.6	2.5	-1.5	.0	8.1	9.0	7.1	9.3	-15.2	
2007	2.0	1.6	1.8	1.5	-1.8	-1.1	7.3	17.7	3.9	4.0	-21.2	
2008	-2.8	-1.8	-6.8	.9	-15.3	-11.1	-7.0	-8	-15.9	.9	-24.7	
2009	.2	-1	.6	-4	-9.2	-10.5	-10.3	-27.1	-8.4	3.8	-11.5	
2010	2.6	2.7	4.3	1.9	12.1	6.1	8.9	-3.6	22.6	1.6	-5.7	
2011	1.6	1.2	.9	1.4	10.4	9.2	10.0	8.6	12.7	7.2	5.3	
2012	1.5	1.6	2.4	1.2	4.0	7.2	5.6	4.0	7.8	3.7	15.4	
2013	2.6	1.9	3.5	1.1	9.3	5.7	5.4	6.7	5.4	4.5	7.1	
2014	2.9	3.8	5.0	3.2	5.3	7.0	6.9	9.3	5.6	6.9	7.7	
2015	1.9	2.9	3.7	2.5	1.5	1.0	-9	-10.9	1.9	2.9	9.1	
2016	2.0	2.8	3.6	2.4	1.5	2.8	2.4	4.3	-1.4	6.6	3.9	
2017	2.8	2.9	5.0	2.0	4.8	5.1	5.4	1.5	8.5	4.0	4.2	
2018	2.5	2.9	2.9	2.5	5.1	3.5	5.9	2.6	5.0	9.3	-4.4	
2019 P	2.3	2.6	4.1	2.0	-1.9	.2	-1	-7.0	-1.5	6.2	1.5	
2016: I	2.0	3.2	4.2	2.7	-1.6	2.6	-6	-11.4	-3.9	12.9	14.7	
2016: II	1.9	2.9	4.5	2.2	-1.7	2.7	4.0	10.0	-2.3	9.3	-2.0	
2016: III	2.2	2.6	4.0	1.9	.5	3.8	5.6	18.4	.3	4.7	-2.6	
2016: IV	2.0	2.5	1.9	2.8	9.3	2.0	.7	2.4	.4	.0	6.4	
2017: I	2.3	2.4	3.2	2.0	3.4	7.7	6.6	7.3	6.3	6.3	11.9	
2017: II	2.2	2.4	5.5	1.0	3.6	2.8	4.4	2.0	8.9	.3	-2.2	
2017: III	3.2	2.4	4.1	1.6	7.4	1.4	2.4	-7.7	6.2	4.9	-2.0	
2017: IV	3.5	4.6	7.5	3.4	4.7	8.7	8.4	5.2	12.9	4.7	9.9	
2018: I	2.5	1.7	1.3	1.9	6.2	5.5	8.8	12.1	6.6	9.7	-5.3	
2018: II	3.5	4.0	5.4	3.4	-1.8	5.2	7.9	11.0	3.4	11.9	-3.7	
2018: III	2.9	3.5	3.6	3.4	13.7	.7	2.1	-2.1	2.9	4.1	-4.0	
2018: IV	1.1	1.4	1.6	1.4	3.0	2.7	4.8	-9.0	7.4	11.7	-4.7	
2019: I	3.1	1.1	1.5	1.0	6.2	3.2	4.4	4.0	-1	10.8	-1.0	
2019: II	2.0	4.6	8.6	2.8	-6.3	-1.4	-1.0	-11.1	.8	3.6	-3.0	
2019: III	2.1	3.2	5.3	2.2	-1.0	-8	-2.3	-9.9	-3.8	4.7	4.6	
2019: IV P	2.1	1.8	1.2	2.0	-6.1	.1	-1.5	-10.1	-2.9	5.9	5.8	

See next page for continuation of table.

TABLE B-1. Percent changes in real gross domestic product, 1969–2019—Continued

[Percent change, fourth quarter over fourth quarter; quarterly changes at seasonally adjusted annual rates]

Year or quarter	Net exports of goods and services			Government consumption expenditures and gross investment					Final sales of domestic product	Gross domestic purchases ¹	Final sales to private domestic purchasers ²	Gross domestic income (GDI) ³	Average of GDP and GDI
	Net exports	Exports	Imports	Total	Federal			State and local					
					Total	National defense	Non-defense						
1969		8.7	5.9	-1.2	-3.6	-4.6	-0.2	1.8	2.1	1.9	2.9	2.1	2.1
1970		5.9	3.0	-1.2	-5.8	-8.6	3.9	4.3	7	-3	1.1	-8	-5
1971		-4.5	1.3	-2.4	-7.3	-11.5	5.6	2.8	4.0	4.7	6.5	4.8	4.6
1972		19.5	17.9	-1	-2.6	-5.8	6.1	2.3	6.4	6.8	8.3	7.1	7.0
1973		18.4	-5	-3	-3.6	-5.0	-3	2.9	2.8	2.9	2.2	3.8	3.9
1974		3.1	-1.0	3.0	3.7	1.2	9.5	2.4	-1.7	-2.3	-3.5	-2.9	-2.4
1975		1.5	-5.6	3.0	8	5	1.4	4.9	3.9	2.0	3.4	2.7	2.6
1976		4.3	19.2	-1.3	-1.0	-2.1	1.3	-1.6	3.8	5.4	6.7	3.8	4.1
1977		-1.4	5.7	1.9	2.3	.1	6.8	1.7	4.5	5.6	5.9	6.0	5.5
1978		18.8	9.9	4.4	3.5	2.9	4.8	5.2	6.4	6.1	6.1	5.4	6.0
1979		10.5	.9	.9	1.2	2.4	-1.1	.7	2.2	.5	1.5	.8	1.0
1980		3.9	-9.3	.3	4.0	3.7	4.6	-2.9	5	-1.4	-1.2	1.3	.6
1981		.7	6.2	2.5	6.0	7.9	2.0	-.7	.3	1.8	.4	1.2	1.2
1982		-12.2	-3.9	2.6	4.5	7.3	-1.6	.8	4	-.7	.8	-1.3	-1.3
1983		5.5	24.6	1.9	2.7	6.5	-6.6	1.1	6.0	9.5	9.1	6.6	7.3
1984		9.1	18.9	6.3	7.1	5.6	11.5	5.4	5.0	6.5	5.9	6.7	6.1
1985		1.5	5.6	6.1	6.7	8.2	2.8	5.5	4.6	4.5	4.6	3.4	3.8
1986		10.6	7.9	4.7	5.3	4.7	6.8	4.1	3.9	2.9	3.5	2.7	2.8
1987		12.8	6.3	3.0	3.6	5.3	-1.0	2.4	3.0	4.1	2.5	5.5	5.0
1988		14.0	3.8	1.4	-1.4	-.8	-3.0	4.1	4.6	3.0	4.4	4.7	4.2
1989		10.2	2.6	2.5	.5	-1.3	5.8	4.3	2.9	2.1	2.2	1.0	1.9
1990		7.4	-.2	2.6	1.5	.0	5.4	3.6	1.0	-.1	-.3	1.0	.8
1991		9.2	5.7	.0	-2.3	-4.9	4.3	1.9	.5	-.9	-.3	.7	.9
1992		4.5	6.5	1.3	1.6	-.4	6.2	1.1	4.5	4.6	5.6	3.9	4.1
1993		4.4	39.9	-.7	-4.5	-5.4	-2.5	2.2	2.7	3.2	4.3	3.0	2.8
1994		10.8	12.2	.0	-4.2	-6.7	1.1	3.1	3.3	4.3	4.4	4.3	4.2
1995		9.4	4.8	-.6	-4.8	-5.0	-4.3	2.2	3.0	1.8	3.3	2.9	2.6
1996		10.1	11.1	2.6	1.1	.3	2.6	3.6	4.2	4.6	4.8	4.8	4.6
1997		8.3	14.2	1.7	.2	-.8	1.9	2.7	3.9	5.2	5.3	5.5	5.0
1998		2.6	11.0	2.8	-.3	-2.4	3.3	4.6	5.2	5.9	6.9	4.9	4.9
1999		6.3	12.0	3.9	3.5	3.9	2.8	4.1	4.5	5.5	5.6	4.6	4.7
2000		6.0	10.9	.4	-2.0	-3.3	.1	1.8	3.3	3.7	4.7	3.3	3.1
2001		-12.2	-7.8	4.9	5.5	4.7	6.7	4.6	1.4	.3	.9	.1	.1
2002		3.9	9.5	3.9	8.1	8.1	8.2	1.6	1.0	2.8	1.4	2.8	2.4
2003		7.2	5.7	1.9	6.5	8.9	2.5	-.7	4.3	4.3	4.8	2.8	3.6
2004		7.4	11.2	.8	2.6	2.8	2.4	-.2	3.0	4.0	4.3	3.8	3.6
2005		7.4	6.3	.9	1.8	1.8	1.9	.3	3.0	3.2	3.6	4.3	3.7
2006		10.3	4.3	1.9	2.4	3.1	1.3	1.6	2.9	2.1	2.5	2.7	2.6
2007		9.2	1.3	2.3	3.6	3.9	3.1	1.5	2.1	1.1	1.0	-.7	.6
2008		-2.4	-5.5	2.5	6.3	7.4	4.2	.3	-2.0	-3.3	-3.7	-2.7	-2.7
2009		1.2	-5.7	3.0	6.2	4.9	8.6	1.0	-.1	-.8	-.1	.5	.3
2010		9.9	12.0	-1.3	1.9	1.3	3.0	-3.5	1.8	3.1	3.3	3.5	3.0
2011		4.6	3.8	-3.4	-3.5	-3.6	-3.2	-3.3	1.4	1.6	2.6	2.1	1.9
2012		2.1	.6	-2.1	-2.6	-4.7	1.2	-1.7	1.9	1.2	2.6	2.9	2.2
2013		6.0	3.0	-2.4	-6.1	-6.5	-5.5	.2	2.0	2.2	2.6	1.5	2.1
2014		2.9	6.5	.3	-1.1	-3.4	2.7	1.2	3.2	3.4	4.5	4.2	3.5
2015		-1.5	3.2	2.3	1.1	-.4	3.4	3.0	1.8	2.5	2.5	1.3	1.6
2016		1.1	3.4	1.5	.1	-.8	1.5	2.3	2.2	2.3	2.8	.9	1.5
2017		5.5	5.6	.8	1.7	1.9	1.4	.4	2.9	2.9	3.4	2.5	2.6
2018		.4	3.2	1.5	2.7	4.0	.7	.9	2.2	2.9	2.8	2.3	2.4
2019 ^P		.2	-2.2	3.0	4.3	4.5	4.0	2.2	2.7	1.9	2.2		
2016: I		-3.0	.9	3.8	.7	-.4	2.2	5.8	2.8	2.5	3.0	2.1	2.1
2016: II		4.0	.8	-.7	-2.7	-5.2	1.0	.5	2.7	1.5	2.9	-1.7	.1
2016: III		6.1	4.7	1.7	2.0	3.4	-.1	1.6	2.7	2.1	2.8	2.0	2.1
2016: IV		-2.5	7.5	1.1	.6	-1.0	2.8	1.4	.8	3.3	2.4	1.4	1.7
2017: I		6.1	4.1	-.2	-1.2	-1.9	-.2	.3	3.0	2.1	3.4	3.8	3.1
2017: II		1.6	3.5	1.4	3.3	6.8	-1.6	.3	2.0	2.4	2.5	2.6	2.4
2017: III		4.4	1.3	-.1	.1	-1.6	2.6	-.2	2.2	2.8	2.2	.8	2.0
2017: IV		10.1	14.0	2.4	4.6	4.5	4.8	1.1	4.2	4.3	5.5	2.7	3.1
2018: I		.8	.6	1.9	2.8	.6	6.0	1.4	2.4	2.5	2.4	4.7	3.6
2018: II		5.8	.3	2.6	3.9	7.5	-1.0	1.8	4.8	2.8	4.2	.7	2.1
2018: III		-6.2	8.6	2.1	2.9	3.0	2.8	1.6	.8	4.9	2.9	3.3	3.1
2018: IV		1.5	3.5	-.4	1.1	5.2	-4.5	-1.2	1.0	1.4	1.7	.8	.9
2019: I		4.1	-1.5	2.9	2.2	7.7	-5.4	3.3	2.6	2.3	1.6	3.2	3.2
2019: II		-5.7	.0	4.8	8.3	3.3	16.1	2.7	3.0	2.6	3.3	.9	1.4
2019: III		1.0	1.8	1.7	3.3	2.2	5.0	.7	2.1	2.2	2.3	2.1	2.1
2019: IV ^P		1.4	-8.7	2.7	3.6	4.9	1.6	2.2	3.2	.6	1.4		

¹ Gross domestic product (GDP) less exports of goods and services plus imports of goods and services.

² Personal consumption expenditures plus gross private fixed investment.

³ Gross domestic income is deflated by the implicit price deflator for GDP.

Note: Percent changes based on unrounded GDP quantity indexes.

Source: Department of Commerce (Bureau of Economic Analysis).